

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P366315

Luminaire Tested: **FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BL89AM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P366315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-48)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX40D010-FEU6B35-8050-F6LBXVM1-WMH-BL89AM
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, WARM HAZE REFLECTOR, BOTTOM LENS POLYCARBONATE, OPAL SMOOTH 0.125", 4000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1622.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

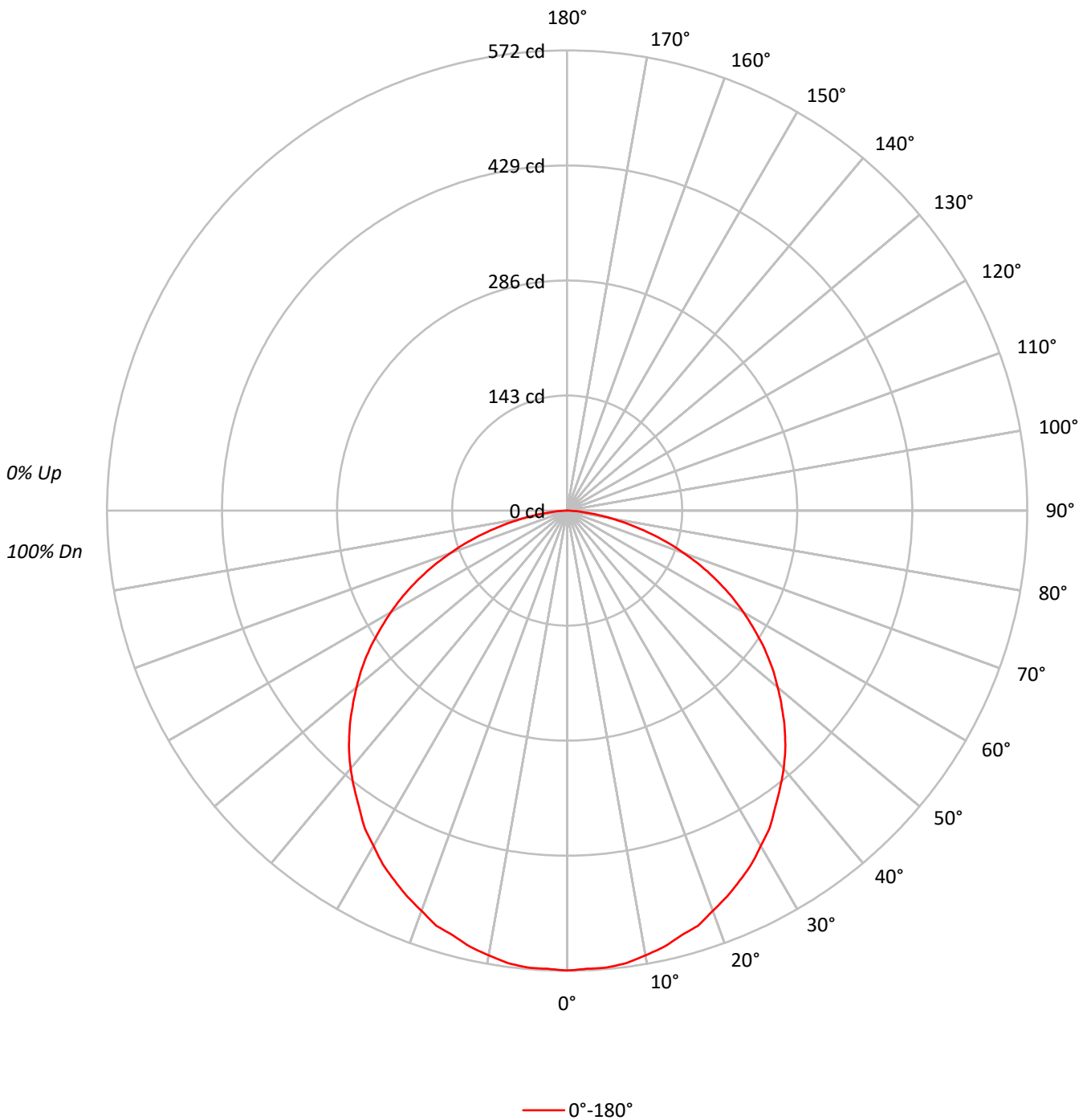
Input Watts (W): 40.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63		72	67	62		70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36		47	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	15613
5°	15632
10°	15571
15°	15463
20°	15389
25°	15299
30°	15184
35°	15032
40°	14933
45°	14776
50°	14525
55°	14268
60°	13827
65°	13256
70°	12315
75°	10902
80°	8699
85°	5015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	3.3
10°-20°	154.7	9.5
20°-30°	234.0	14.4
30°-40°	282.5	17.4
40°-50°	294.7	18.2
50°-60°	267.2	16.5
60°-70°	202.6	12.5
70°-80°	109.6	6.8
80°-90°	22.5	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	442.8	27.3
0°-40°	725.4	44.7
0°-60°	1287.3	79.4
0°-90°	1622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1622.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	572	
5°	570	54
15°	547	155
25°	508	234
35°	451	283
45°	382	295
55°	300	267
65°	205	203
75°	103	110
85°	16	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	571.6
2.5°	570.1
5°	570.1
7.5°	567.2
10°	561.4
12.5°	555.6
15°	546.8
17.5°	541.0
20°	529.4
22.5°	519.2
25°	507.6
27.5°	495.9
30°	481.4
32.5°	468.3
35°	450.8
37.5°	434.8
40°	418.8
42.5°	401.4
45°	382.5
47.5°	362.1
50°	341.8
52.5°	321.4
55°	299.6
57.5°	276.3
60°	253.1
62.5°	229.8
65°	205.1
67.5°	180.3
70°	154.2
72.5°	129.4
75°	103.3
77.5°	78.5
80°	55.3
82.5°	34.9
85°	16.0
87.5°	4.4
90°	0.0

(END OF REPORT)